

DOCKET: CU-4042

PATENT

Amendments To The Claims

The listing of claims presented below will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1-25. (cancelled)

26. (new) A semiconductor storage apparatus for realizing information prompt, comprising:

a power source module providing power to the semiconductor storage apparatus;

a controller module having a firmware for realizing the information prompt and data access;

an interface module;

a semiconductor storage medium module having a prompt information storage region for storing prompt information; and

an information prompt module, wherein the controller module, the interface module, the semiconductor storage medium module, and the information prompt module are electrically connected to each other.

27. (new) The semiconductor storage apparatus of claim 26, wherein the firmware supports the password verification of the prompt information storage region.

28. (new) The semiconductor storage apparatus of claim 26, wherein the

DOCKET: CU-4042

PATENT

prompt information storage region is provided with an independent or universal encryption/decryption module, and the encryption/decryption module encrypts the data to be stored in the prompt information storage region, and decrypts the data read from the prompt information storage region.

29. (new) The semiconductor storage apparatus of claim 26, wherein the interface module is one of a USB interface, IEEE 1394 interface, Bluetooth interface, IrDA infrared interface, HomeRF interface, IEEE802.11a interface, IEEE802.11b interface, wire wide area/local area network interface, and wireless wide area/local area network interface.

30. (new) The semiconductor storage apparatus of claim 26, wherein the medium used by the semiconductor storage medium module is one of a flash memory DRAM, EEPROM, SRAM, FRAM, MRAM, and MILLIPEDE.

31. (new) The semiconductor storage apparatus of claim 26, wherein the information prompt module comprises at least one of a display component, an acoustic component and a vibration component.

32. (new) The semiconductor storage apparatus of claim 31, wherein the display component is one of a liquid crystal display, light-emitting diode matrix display, field emission display and organic-electroluminescence (OEL) display; and the acoustic generating component is one of a speaker, buzzer and crystal acoustic generator.

33. (new) The semiconductor storage apparatus of claim 26, the power source module further comprising:

DOCKET: CU-4042

PATENT

at least one of a voltage adapter circuit; and

a self-contained power source having a power control switch, wherein the self-contained power source is one of a PV cell, a primary cell, and a rechargeable cell.

34. (new) The semiconductor storage apparatus of claim 26, further comprising a manual control component for setting the information prompt, wherein the manual control component is used to perform the manual control of the information prompt.

35. (new) A method for realizing information prompt in a semiconductor storage apparatus comprising a power source module providing power to the semiconductor storage apparatus; a controller module having a firmware for realizing the information prompt and data access; an interface module; a semiconductor storage medium module having a prompt information storage region for storing prompt information; and an information prompt module, wherein the controller module, the interface module, the semiconductor storage medium module, and the information prompt module are electrically connected to each other, the method comprising:

performing data access operation of the prompt information storage region and the information prompt;

verifying the password of the prompt information storage region according to the predetermined setting, and

after the step of verifying the password, obtaining the necessary

DOCKET: CU-4042

PATENT

prompt information from the prompt information storage region; and
controlling the information prompt module to perform the information
prompt based on the content of the obtained prompt information.

36. (new) A method for realizing information prompt of claim 35, further comprising the step of writing the necessary prompt information into the prompt information storage region after verifying the password.

37. (new) A method for realizing information prompt to claim 35, wherein the operational mode of the information prompt module and the prompt information stored in the prompt information storage region is defined and modified by the information prompt storage region setting software running in the data processing system.

38. (new) A method for realizing information prompt of claim 35, wherein the prompt information comprises static information and dynamic information, wherein the static information comprises the user's information, device information and storage information.

39. (new) A method for realizing information prompt of claim 36, wherein the prompt information comprises static information and dynamic information, wherein the static information comprises the user's information, device information and storage information.

40. (new) A method for realizing information prompt of claim 37, wherein the prompt information comprises static information and dynamic information, wherein the static information comprises the user's information, device information and

DOCKET: CU-4042

PATENT

storage information.

41. (new) A method for realizing information prompt claim 35, wherein the prompt information storage region is provided with a independent or universal encryption/decryption module, the encryption/decryption module encrypts the data to be stored in the prompt information storage region, and decrypts the data read from the prompt information storage region.